ATTACHMENT

Serial No.: 09/734,703 Docket No.: 1419.1045

Proposal to cancel claims 3, 6, 9, 11, 16, 19, 20, 24, 27, 30, 33, and 36.

Proposal to amend claims 1, 8, 10, 12, 14, 17-18, 21-23, 25-26, 28-29, 31-32, 34-35 and 37-38.

- (THREE TIMES AMENDED) A motor, comprising:
 - a motor unit (1) having first and second electrode terminals (41,42, 43); and
- a cylindrical case for covering and securing the motor unit, including a large case body (2) having a cylindrical conductive portion (20) which is directly electrically connected to the [first] second electrode terminal (42,43), and [a] an insulating small case body (4,40) directly [connected to] provided with the [second] first electrode terminal (41).
- 8. (THREE TIMES AMENDED) An attachment structure for attaching a motor to a battery, comprising:

a motor including a motor unit having first and second electrode terminals and a cylindrical case for covering and securing the motor unit,

wherein the cylindrical case includes a large case body (2) having a cylindrical conductive portion (20) which is directly electrically connected to the [first] second electrode terminal (42,43), and [a] an insulating small case body (4,40) directly [connected to] provided with the [second] first electrode terminal (41); and

a battery (B) for driving the motor,

wherein the first [and second] electrode terminal[s] (41) of the motor <u>and the cylindrical</u> <u>conductive portion</u> (20), are each connected to corresponding electrodes of the battery through only conductive members (52-53, 54-55, 56-57), respectively.

- 10. (THREE TIMES AMENDED) An attachment structure for attaching a motor to a battery, comprising:
- a motor including a motor unit having first and second electrode terminals and a cylindrical case for covering and securing the motor unit,

wherein the cylindrical case includes a large case body having a cylindrical conductive portion (20) which is directly electrically connected to the [first] second electrode terminal (42,43), and [a] an insulating small case body (4,40) directly [connected to] provided with the [second] first electrode terminal (41); and

a battery for driving the motor,

wherein one of the [second] first electrode terminal (41) of the motor and the cylindrical conductive portion (20) of the large case body is connected to a first electrode of the battery through only a conductive member (51), and the [large case body] other of the first electrode terminal (41) and the cylindrical conductive portion (20) is connected to a second electrode of the battery directly.

- 12. (THREE TIMES AMENDED) The attachment structure as claimed in claim 8, wherein the conductive members (52-53, 54-55, 56-57) can be brought into contact with or away from the <u>corresponding electrodes of the</u> battery. [or] <u>the first electrode terminal</u> (41) of the motor, or the cylindrical conductive portion (20).
- 14. (ONCE AMENDED) The attachment structure as claimed in claim 8, wherein the battery is a button-type.
- 17. (ONCE AMENDED) The motor as claimed in claim 1, wherein the motor unit further comprises a commutator (35) and contact springs (44, 45), and the first and second electrode terminals of the motor are electrically connected to the commutator through the contact springs.
- 18. (TWICE AMENDED) The motor as claimed in claim 1, wherein the large case body and the <u>insulating</u> small case body comprise recess portions (5) for connecting the large <u>case body</u> and <u>the insulating</u> small case <u>body</u>[bodies].
- 21. (ONCE AMENDED) The attachment structure as claimed in claim 8, wherein the motor unit further comprises a commutator and contact springs, and the first and second electrode terminals of the motor are electrically connected to the commutator through the contact springs.
 - 22. (TWICE AMENDED) The attachment structure as claimed in claim 10, wherein

the conductive members can be brought into contact with or away from the <u>first electrode of the</u> battery [or], the <u>first electrode terminal</u> (41) of the motor, or the cylindrical conductive portion (20).

- 23. (ONCE AMENDED) The attachment structure as claimed in claim 10, wherein the battery is a button-type.
- 25. (TWICE AMENDED) The attachment structure as claimed in claim 10, wherein the large case body and the <u>insulating</u> small case body comprise recess portions for connecting the large <u>case body</u> and <u>the insulating</u> small case <u>body</u>[bodies].
- 26. (TWICE AMENDED) A motor, comprising:

 a rotor having first and second electrical terminals; and

 a cylindrical case for covering and securing the rotor, including a cylindrical

 conductive portion (20) electrically connected to the rotor and directly connected to [a first] the

 second electrical terminal (42, 43) of the [motor] rotor, and an end case (40) electrically

 connected to the rotor and directly connected to [a second] the first electrical terminal (41) of the

 rotor.
- 28. (ONCE AMENDED) The motor as claimed in claim [27]1, wherein the motor unit further comprises a rotary shaft, a commutator and a contact spring; and the [second] <u>first</u> electrode terminal (41) passes through the <u>insulating</u> small case

the [second] <u>tirst</u> electrode terminal (41) passes through the <u>insulating</u> small case body (40) <u>in an approximately parallel direction to the rotary shaft</u>, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator through the contact spring, and a second end[,] which projects outwardly from the <u>insulating</u> small case body, to be adapted to connect to an external battery (B) directly or through a conductive member.

- 29 (ONCE AMENDED The motor as claimed in claim 28, wherein the second end of the first electrode terminal is [bent] turned to form a [curved] contact head.
- 31. (ONCE AMENDED) The attachment structure as claimed in claim [30]8, wherein the motor unit further comprises a rotary shaft (30), a commutator and a contact spring; and

the [second] <u>first</u> electrode terminal (41) passes through the <u>insulating</u> small case body (40) <u>in an approximately parallel direction to the rotary shaft</u>, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator though the contact spring, and a second end which projects <u>outwardly</u> from the <u>insulating</u> small case body and is connected to a corresponding electrode of the battery through a conductive member.

- 32. (ONCE AMENDED) The attachment structure as claimed in claim 31, wherein the second end of the first electrode terminal is [bent] turned to form a [curved] contact head.
- 34. (ONCE AMENDED) The attachment structure as claimed in claim [33]10, wherein the motor unit further comprises a rotary shaft, a commutator and a contact spring; and

the [second] <u>first</u> electrode terminal (41) passes through the <u>insulating</u> small case body (40) <u>in an approximately parallel direction to the rotary shaft</u>, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator through the contact spring, and a second end which projects outwardly from the small case body <u>and is connected to a corresponding electrode of the battery directly or through a conductive member.</u>

- 35. (ONCE AMENDED) The attachment structure as claimed in claim 34, wherein the second end of the first electrode terminal is [bent] turned to form a [curved] contact head.
- 37. (ONCE AMENDED) The motor as claimed in claim [36]26, wherein the rotor further comprises a rotary shaft, a commutator and a contact spring; and

the [second electrode] <u>first electrical</u> terminal passes through the end case <u>in an approximately parallel direction to the rotary shaft</u>, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator trough the contact spring, and a second end [terminal] which projects outwardly from the end case <u>to be adapted to connect to an external battery directly or through a conductive member</u>.

38. (ONCE AMENDED) The motor as claimed in claim 37, wherein the second <u>end of</u> the first electrical terminal is [bent] turned to form a [curved] contact head.

Clean Versions of above proposed amended claims:

1. (THREE TIMES AMENDED) A motor, comprising:

a motor unit having first and second electrode terminals; and

a cylindrical case for covering and securing the motor unit, including a large case body having a cylindrical conductive portion which is directly electrically connected to the second electrode terminal, and an insulating small case body directly provided with the first electrode terminal.

8. (THREE TIMES AMENDED) An attachment structure for attaching a motor to a battery, comprising:

a motor including a motor unit having first and second electrode terminals and a cylindrical case for covering and securing the motor unit,

wherein the cylindrical case includes a large case body having a cylindrical conductive portion which is directly electrically connected to the second electrode terminal, and an insulating small case body directly provided with the first electrode terminal; and

a battery for driving the motor,

wherein the first electrode terminal of the motor and the cylindrical conductive portion, are each connected to corresponding electrodes of the battery through only conductive members, respectively.

10. (THREE TIMES AMENDED) An attachment structure for attaching a motor to a battery, comprising:

a motor including a motor unit having first and second electrode terminals and a cylindrical case for covering and securing the motor unit,

wherein the cylindrical case includes a large case body having a cylindrical conductive portion which is directly electrically connected to the second electrode terminal, and an insulating small case body directly provided with the first electrode terminal; and

a battery for driving the motor,

wherein one of the first electrode terminal of the motor and the cylindrical conductive portion of the large case body is connected to a first electrode of the battery through only a conductive member, and the other of the first electrode terminal and the cylindrical conductive portion is connected to a second electrode of the battery directly.

12. (THREE TIMES AMENDED) The attachment structure as claimed in claim 8, wherein the conductive members can be bought into contact with or away from the

corresponding electrodes of the battery, the first electrode terminal of the motor, or the cylindrical conductive portion.

- 14. (ONCE AMENDED) The attachment structure as claimed in claim 8, wherein the battery is a button-type.
- 17. (ONCE AMENDED) The motor as claimed in claim 1, wherein the motor unit further comprises a commutator and contact springs, and the first and second electrode terminals of the motor are electrically connected to the commutator through the contact springs.
- 18. (TWICE AMENDED) The motor as claimed in claim 1, wherein the large case body and the insulating small case body comprise recess portions for connecting the large case body and the insulating small case body.
- 21. (TWICE AMENDED) The attachment structure as claimed in claim 8, wherein the motor unit further comprises a commutator and contact springs, and the first and second electrode terminals of the motor are electrically connected to the commutator through the contact springs.
- 22. (TWICE AMENDED) The attachment structure as claimed in claim 10, wherein the conductive members can be brought into contact with or away from the first electrode of the battery, the first electrode terminal of the motor, or the cylindrical conductive portion.
- 23. (ONCE AMENDED) The attachment structure as claimed in claim 10, wherein the battery is a button-type.
- 25. (TWICE AMENDED) The attachment structure as claimed in claim 10, wherein the large case body and the insulating small case body comprise recess portions for connecting the large case body and the insulating small case body.
 - 26. (TWICE AMENDED) A motor, comprising:
 - a rotor having first and second electrical terminals; and
- a cylindrical case for covering and securing the rotor, including a cylindrical conductive portion electrically connected to the rotor and directly connected to the second

electrical terminal of the rotor, and an end case electrically connected to the rotor and directly connected to the first electrical terminal of the rotor.

28. (ONCE AMENDED) The motor as claimed in claim 1, wherein the motor unit further comprises a rotary shaft, a commutator and a contact spring; and

the first electrode terminal passes through the insulating small case body in an approximately parallel direction to the rotary shaft, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator through the contact spring, and a second end which projects outwardly from the insulating small case body, to be adapted to connect to an external battery directly or through a conductive member.

- 29. (ONCE AMENDED) The motor as claimed in claim 28, wherein the second end of the first electrode terminal is turned to form a contact head.
- 31. (ONCE AMENDED) The attachment structure as claimed in claim 8, wherein the motor unit further comprises a rotary shaft, a commutator and a contact spring; and

the first electrode terminal passes through the insulating small case body in an approximately parallel direction to the rotary shaft, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator through the contact spring, and a second end which projects outwardly from the insulating small case body and is connected to a corresponding electrode of the battery through a conductive member.

- 32. (ONCE AMENDED) The attachment structure as claimed in claim 31, wherein the second end of the first electrode terminal is turned to form a contact head.
- 34. (ONCE AMENDED) The attachment structure as claimed in claim 10, wherein the motor unit further comprises a rotary shaft, a commutator and a contact spring; and

the first electrode terminal passes through the insulating small case body in an approximately parallel direction to the rotary shaft, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator through the contact spring, and a second end which projects outwardly from the insulating small case body and is connected to a corresponding electrode of the battery directly or through a conductive member.

- 35. (ONCE AMENDED) The attachment structure as claimed in claim 34, wherein the second end of the first electrode terminal is turned to form a contact head.
- 37. (ONCE AMENDED) The motor as claimed in claim 26, wherein the rotor further comprises a rotary shaft, a commutator and a contact spring; and

the first electrical terminal passes through the end case in an approximately parallel direction to the rotary shaft, at a distance from the rotary shaft, and includes a first end which is electrically connected to the commutator through the contact spring, and a second end which projects outwardly from the end case, to be adapted to connect to an external battery directly or through a conductive member.

38. (ONCE AMENDED) The motor as claimed in claim 37, wherein the second end of the first electrode terminal is turned to form a contact head.